

AMENDMENT

IN THE CLAIMS:

Amend Claim 1 as follows:

5261 1. (Amended) In an image processing system, a method for relating a first image to a second image comprising:

- a) aligning the first image with a second image; and
- b) plotting a gray level of a pixel from the first image against a gray level of a corresponding pixel from the second image for all aligned pixel locations.

211 [Amend Claim 2 as follows:]

2. (Amended) The method of claim 1 further comprising plotting a threshold window on a plot created in step (b).

[Amend Claim 3 as follows:]

3. (Amended) The method of claim 1 wherein a plot created in step (b) is stored in a memory array variable.

[Amend Claim 4 as follows:]

4. (Amended) The method of claim 1 wherein a plot created in step (b) is displayed on a video monitor.